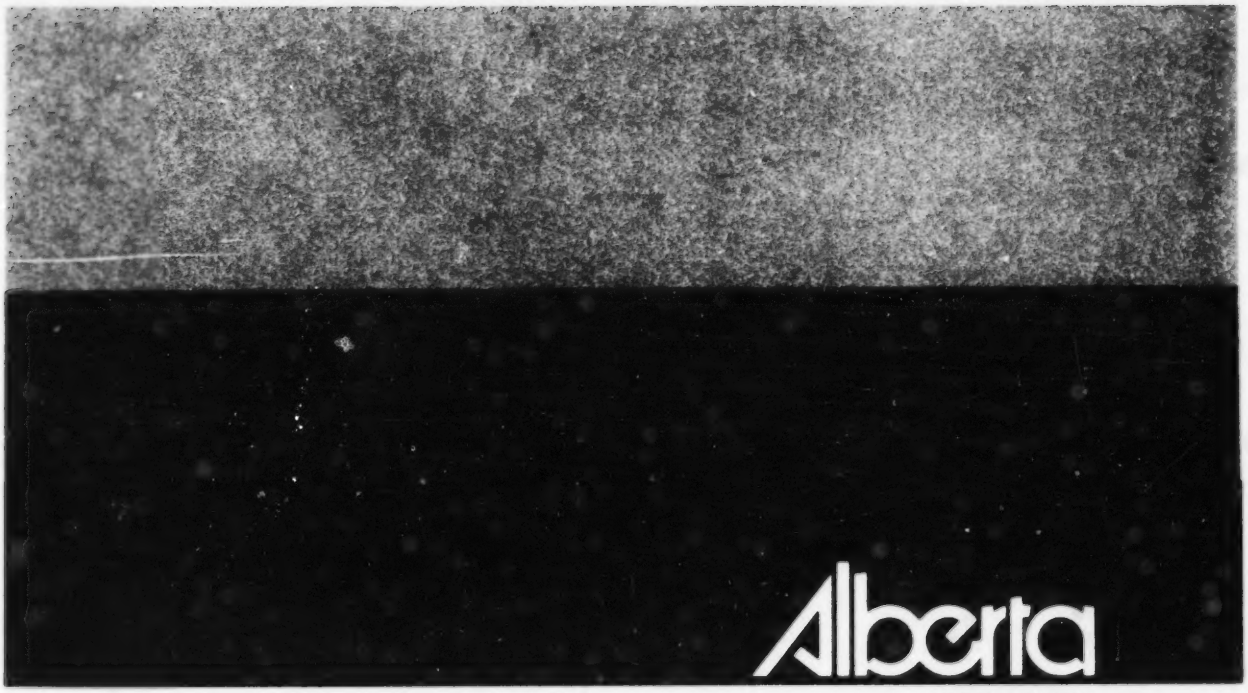
PLACE-TO-PLACE PRICE COMPARISONS FOR SELECTED ALBERTA COMMUNITIES 1983



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PLACE-TO-PLACE PRICE COMPARISONS FOR SELECTED ALBERTA COMMUNITIES 1983

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PREFACE

The 1983 Place-to-Place Price Comparison Survey publication has been prepared by the Survey Operations Unit of the Alberta Bureau of Statistics. The survey has been conducted annually since 1973 and was first published in 1980. The results of the survey have been utilized by a diverse audience in the public and private sectors.

The Alberta Bureau of Statistics would like to express its appreciation to the many merchants of Alberta for their co-operation and assistance. We would also like to thank the Alberta Public Utilities Board, the Alberta offices of Canada Mortgage and Housing Corporation, the Municipal Financial Services and Statistics Branch of Alberta Municipal Affairs and the Policy and Planning Branch of Alberta Housing for information used in the Utilities and Shelter components.

A special thanks is extended to Statistics Canada, Prices Division in Ottawa and to the staff of the Edmonton Regional Office.

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INTRODUCTION

The statistics presented in this publication are based on a Place-to-Place Price Comparison Survey conducted in twenty communities by the Bureau of Statistics. Communities added to this year's survey include Drayton Valley, High River, Slave Lake and Whitecourt. The price comparisons are Edmonton based and are for a specific period in time, June 1983. Indices are available for a food items group, a non-food items group and a combined all-item group, as well as a detailed breakdown of seventeen component categories within these groupings. This year 43 additional items were priced bringing the total number of items surveyed to 250.

In addition to the Edmonton-based comparisons, a second set of indices which permit direct comparisons between any two communities surveyed is included. This comparison is based on an 80 item basket of goods and services, which could be matched across all communities.

Appendices are also included listing the items surveyed and explaining survey methodology and the calculation of the indices.

SURVEY OVERVIEW

The Bureau of Statistics annually conducts the Place-to-Place Price Comparison Survey for selected communities in Alberta. The 1983 survey was conducted from June 13-15. Prices for the survey were obtained through personal visits to retail outlets by field staff in each community. The basket of goods and services used was comprised of 250 items selected from Statistics Canada's item list for the Consumer Price Index (CPI) and weighted according to the CPI expenditure weighting pattern for Edmonton. This survey accounts for 70% of the CPI in terms of item weights. Appendix B lists the types of items priced and shows the approximate distribution of category weights for the items.

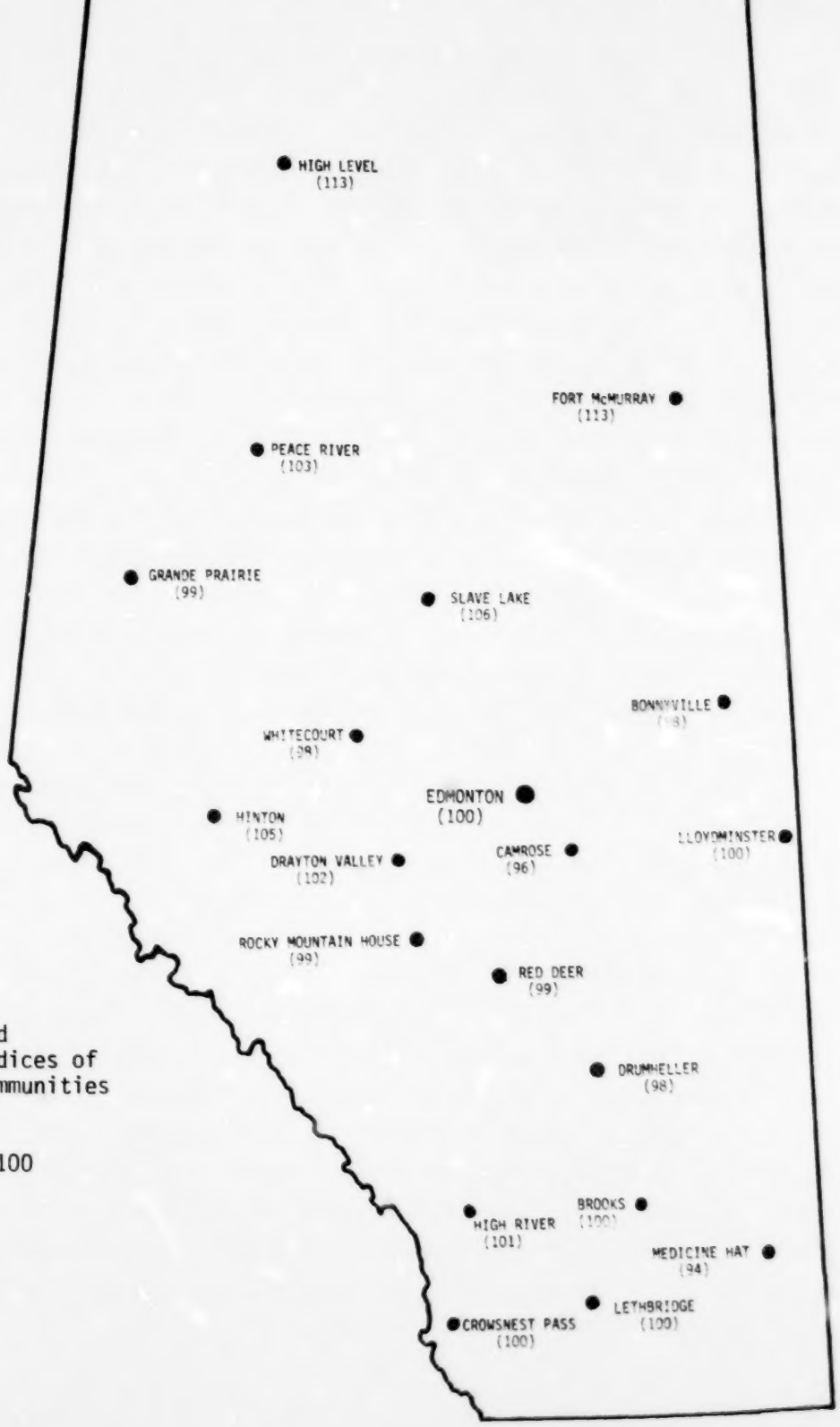
Twenty communities were chosen for the 1983 Place-to-Place Price Comparison Survey. Drayton Valley, High River, Slave Lake and Whitecourt were added this year. Whitecourt replaced Barrhead, which was surveyed for the first time in 1982 but omitted this year. The selection of all communities included in this survey is based primarily on the following criteria:

- the community is a distribution or trading centre for an area;

- the population of the community is sufficient to support a retail trade industry, offering a representative sample of goods and services for pricing; and

- a planned or ongoing development of a major industrial project for the community or the surrounding area in which it is located.

A map indicating the locations and the all-item indices for all surveyed communities follows on page 3.



!ocation and
All-Item Indices of
Surveyed Communities

June 1983
Edmonton = 100

ASSUMPTIONS AND LIMITATIONS WITHIN THE SURVEY

This survey is designed to measure price differentials in goods and services between Edmonton and each of the selected communities during the survey period, June 13-15, 1983. When using the indices the following assumptions and limitations should be acknowledged:

a. Although the survey includes a large number of items it does not cover the universe of consumer goods and services. In past surveys difficulties encountered with certain goods and services in matching exact or equivalent items, such as for furniture, appliances, and draperies has not warranted their inclusion in the survey. Currently, the expenditure weight of the basket of goods and services surveyed accounts for approximately 70 percent of the Edmonton CPI in terms of item weights. The remaining 30 percent of the basket was excluded because of unavailability and lack of comparability of some items in smaller centres. An approximate distribution of the 30 percent not covered is:

Item	Weight %
Food	2
Household furnishings and supplies	11
Recreation and leisure	8
Clothing	4
Other categories	5

b. The item weights used throughout this survey are based on the 1983 CPI implicit expenditure weighting pattern for Edmonton. Weights for individual communities are not available so an assumption was made that expenditure patterns, in terms of quantity and quality of goods purchased, were the same as Edmonton. In actuality the normal expenditure patterns outside Edmonton may differ through the influence of income levels, through custom or local taste, product availability, price, or other such factors.

c. The indices in Tables 1, 2 and 3 are calculated for independent comparisons to Edmonton. Because of the methodology employed in calculating survey results, these tables should not be used for inter-community comparisons. An additional set of indices which has been developed specifically for inter-community comparisons can be found in Table 4. This comparison is based on an 80 item basket of goods, which contained exact item matches across all communities. If a comparison among a group of fewer communities was done, it would likely yield more comparable items. As such, since indices developed with more items would, in turn, be more reliable, the Bureau will consider requests for re-calcluating inter-community comparisons of two or three communities based on a basket of more than 80 items, if there is an appreciable increase in the number of comparable items.

d. This survey is primarily designed to produce spatial price indices. With the present survey methodology survey results reported in past publications should not be compared to determine price changes over time. For limited time series analysis temporal indices (1982 = 100) for selected communities are being developed on an experimental basis. Further information can be obtained from the Bureau.

e. The Place-to-Place Price Comparison Survey does not report cost-of-living indices. A true cost-of-living index incorporates the effect of price changes, substitution effects, and changes in standard of living due to price changes. Present methodology does not account for the effects of any of these changes.

SUMMARY OF RESULTS

1. Edmonton-Based Comparisons

The results of the 1983 Place-to-Place Price Comparison Survey are expressed as indices in terms of the Edmonton price. In calculating the indices for community comparisons, Edmonton has been assigned a value of 100. Communities whose indices are less than 100 have the overall basket (or component category) of goods and services priced lower than Edmonton; indices greater than 100 indicate overall prices are more expensive than in Edmonton. Table 1 presents aggregate all-item, food and non-food indices for each of the twenty communities included in the survey. Also available in Table 1 is the expenditure weighting and the number of items priced for each community. The number of items and weighting can vary between communities because of the lack of availability and comparability of certain goods and services. For example, prices for public transportation are only available in the larger centres.

Medicine Hat had the lowest all-item index at 94. The highest index, 113, was recorded in Fort McMurray, and also in High Level. In comparison to Edmonton, eight communities reported all-item indices that were lower, four communities Brooks, Crowsnest Pass, Lethbridge and Lloydminster were the same, and seven centres were higher. A detailed examination of the indices by category for each community is available in Tables 2 and 3.

Table 2 presents the food indices broken down into eight component categories for each community. Two communities, Grande Prairie and Red Deer, recorded overall food indices lower than Edmonton, 98 and 97 respectively. This can be mainly attributed to the low restaurant meal index, 85, for both communities. The other 17 communities recorded higher food prices compared to Edmonton. High Level reported the highest overall food index, 121, while Red Deer's index of 97 was the lowest.

The eight component categories in the total food index are:

Dairy	Fresh Fruit and Vegetables
Fats and Oils	Meat, Fish and Poultry
Cereals and Breads	Frozen and Packaged Food
Processed Fruit and Vegetables	Restaurant Food

The majority of communities surveyed registered higher prices for most component categories. Aside from restaurant meals, Brooks and Grande Prairie had the lowest index for cereals and breads and frozen and packaged food, respectively. Five communities recorded indices lower than Edmonton for their restaurant meals component. Seven of the eight component categories for High Level were highest overall. In general, the higher food prices in High Level can be attributed to increased transportation costs because of the distance from a major distribution centre. Peace River reported the highest prices for fresh fruit and vegetables, High Level was fourth highest, overall, for this category.

The non-food aggregate index is broken down by component category in Table 3. An index for each community has been calculated for nine component categories:

Personal Care Products	Transportation
Household Supplies	Clothing
Household Services	Shelter
Household Equipment	Utilities
Recreation and Leisure	

Although no community had lower indices than Edmonton for all categories, most were lower for household services and shelter. Only Fort McMurray, High Level and Hinton recorded shelter indices higher than Edmonton. These three communities also had the overall highest non-food indices, 113, 110 and 104, respectively. (The shelter component, with its relatively large weighting, tends to influence a community's total index.)

The utilities category exhibited the most variation across the communities. The indices ranged from a high of 142 in Lloydminster to a low of 72 in Medicine Hat. Medicine Hat's index reflects the fact that natural gas is relatively inexpensive because of the city ownership of a local supply.

TABLE 1
Edmonton - Based Comparisons
Number of Items Surveyed, Aggregate Indices
and Weighting For Selected Communities[a]
June 1983
Edmonton = 100

COMMUNITIES	FOOD		NON-FOOD		ALL-ITEM		Weighting Pattern (% of expenditure on items surveyed)
	Number of Items Surveyed	Index	Number of Items Surveyed	Index	Number of Items Surveyed	Index	
Edmonton [b]	115	100	135	100	250	100	69.67
Bonnyville	115	108	132	94	247	98	68.81
Brooks	115	104	134	99	249	100	69.55
Camrose	115	103	134	94	249	96	69.55
Crowsnest Pass	115	103	132	99	247	100	68.77
Drayton Valley	114	108	132	100	246	102	61.94
Drumheller	115	103	134	97	249	98	69.61
Fort McMurray	115	113	134	113	249	113	69.55
Grande Prairie	115	98	135	99	250	99	69.67
High Level	113	121	126	110	239	113	68.10
High River	115	107	132	99	247	101	68.77
Hinton	115	106	133	104	248	105	69.49
Lethbridge	115	105	135	98	250	100	69.67
Lloydminster	115	102	134	100	249	100	69.61
Medicine Hat	115	102	135	92	250	94	69.67
Peace River	115	110	135	100	250	103	69.67
Red Deer	115	97	135	99	250	99	69.67
Rocky Mountain House	115	102	132	98	247	99	69.47
Slave Lake	115	115	129	103	244	106	68.45
Whitecourt	114	107	134	95	248	98	69.54

Notes: [a] Variations in the weighting pattern and number of items surveyed arise due to the lack of availability and comparability of certain items in some communities.

[b] Represents the maximum number of items surveyed. Actual number of items compared from Edmonton to an individual community may be fewer than 250.

Table 2
Edmonton - Based Comparisons
Food Indices by Component Categories For
Selected Communities
June 1983
Edmonton = 100

COMMUNITIES	Total Food	Total Food Weighting Pattern $	COMPONENT CATEGORIES							
			Dairy	Fats and Oils	Cereals and Breads	Processed Fruit & Veg.	Fresh Fruit & Vegetables	Meat, Fish Poultry	Frozen and Packaged Food	Restaurant Meals
Edmonton	100	17.62	100	100	100	100	100	100	100	100
Bonnyville	108	17.62	106	107	102	104	110	107	111	111
Brooks	104	17.62	103	104	99	103	101	109	101	106
Camrose	103	17.62	101	103	103	101	106	101	103	105
Crowsnest Pass	103	17.62	104	109	108	111	105	107	107	97
Drayton Valley	108	17.60	111	107	110	109	106	107	114	104
Drumheller	103	17.62	103	105	101	104	104	108	107	101
Fort McMurray	113	17.62	104	108	104	103	115	111	108	123
Grande Prairie	98	17.62	103	104	111	105	112	101	99	85
High Level	121	17.48	116	128	116	112	110	114	124	131
High River	107	17.62	102	107	103	102	106	106	105	112
Hinton	106	17.62	108	107	106	104	105	109	108	104
Lethbridge	105	17.62	101	101	106	101	100	102	100	112
Lloydminster	102	17.62	103	108	102	104	105	104	101	98
Medicine Hat	102	17.62	102	101	102	103	103	103	102	100
Peace River	110	17.62	109	110	111	109	117	110	109	108
Red Deer	97	17.62	103	108	100	103	108	105	99	85
Rocky Mtn. House	102	17.62	100	103	102	104	105	107	103	98
Slave Lake	115	17.62	111	116	110	109	115	113	113	119
Whitecourt	107	17.60	113	120	110	112	114	106	112	100

Table 3
Edmonton - Based Comparisons
Non-Food Indices by Component Categories For
Selected Communities
June 1983
Edmonton = 100

COMMUNITIES	Total Non-Food	Total Non-Food Weighting Pattern %	COMPONENT CATEGORIES								
			Personal Care Prod.	Household Supplies	Household Services	Household Equipment	Recreation & Leisure	Transportation	Clothing	Shelter	Utilities
Edmonton	100	52.05	100	100	100	100	100	100	100	100	100
Bonnyville	94	51.19	96	110	94	107	98	100	101	79	106
Brooks	99	51.94	103	106	88	103	102	100	102	95	102
Camrose	94	51.94	95	108	87	103	97	94	102	85	108
Crowsnest Pass	99	51.15	103	107	87	95	98	105	105	90	108
Drayton Valley	100	44.33	99	120	91	101	98	100	106	94	102
Drumheller	97	51.99	101	110	95	106	101	97	103	84	127
Fort McMurray	113	51.94	115	111	98	105	109	107	99	124	119
Grande Prairie	99	52.05	102	107	105	94	106	101	108	86	124
High Level	110	50.62	113	124	120	107	108	108	102	106	141
High River	99	51.15	102	102	91	106	103	98	110	94	109
Hinton	104	51.88	106	107	94	105	99	101	101	111	99
Lethbridge	98	52.05	97	103	92	96	99	99	102	95	101
Lloydminster	100	51.99	103	109	90	95	96	101	103	89	142
Medicine Hat	92	52.05	99	105	90	112	101	94	104	84	72
Peace River	100	52.05	101	116	98	103	98	109	104	86	126
Red Deer	99	52.05	106	110	90	99	99	104	108	91	102
Rocky Mtn. House	98	51.85	103	110	83	96	107	102	101	88	102
Slave Lake	103	50.84	100	117	87	101	108	105	100	98	123
Whitecourt	95	51.94	105	109	90	100	102	102	107	78	103

2. Inter-Community Comparisons

The inter-community indices are detailed in Table 4. The set of indices has been specifically developed to allow a comparison between any two communities surveyed. The comparison is based on an 80 item basket which is a subset of the original 250 item basket used in the Edmonton-based comparison. The basket was comprised of items which could be matched exactly across all twenty communities. Items that could not be matched exactly, for example some clothing and some food items, were omitted from the comparison. The number of items surveyed per category is available in Table 5. The total weight of the 80 item basket is 37 percent of the CPI implicit weighting for Edmonton. The 250 item basket used in the Edmonton-based comparison accounts for 70 percent of the CPI in terms of weight.

To assist in interpreting Table 4 an example is given below.

A comparison of Camrose to Fort McMurray where Camrose is the base location would yield an index of: $\frac{\text{Fort McMurray}}{\text{Camrose}} = 123$

This would be interpreted as prices in Fort McMurray for the 80 item basket were 23 percent higher than prices for the same 80 items in Camrose. Conversly, if Fort McMurray was used as the base location the index would be: $\frac{\text{Camrose}}{\text{Fort McMurray}} = 81$

The total price in Camrose for the 80 item basket is 19 percent less expensive than Fort McMurray.

High Level, Fort McMurray, Slave Lake, Grande Prairie and Peace River have the highest prices when compared to the other communities. The

higher prices appear to be mainly attributed to high transportation costs, as these communities are relatively distant from major distribution centres.

Communities in the southern part of the province Drumheller, Lethbridge, Medicine Hat, Red Deer and Rocky Mountain House recorded the lowest prices for the 80 item basket.

Table 4
Inter-Community Comparison Indices for 80 Selected Items

Comparison Community / Base Community	Edmonton	Bonny-ville	Brooks	Camrose	Crowsnest Pass	Drayton Valley	Drum-heller	Fort McMurray	Grande Prairie
Edmonton	100	97	100	95	98	101	99	117	102
Bonnyville	103	100	103	98	101	104	102	121	105
Brooks	100	97	100	95	98	101	99	117	102
Camrose	105	102	105	100	103	106	104	123	107
Crowsnest Pass	102	99	102	97	100	103	101	119	104
Drayton Valley	99	96	99	94	97	100	98	116	101
Drumheller	101	98	101	96	99	102	100	118	103
Fort McMurray	85	83	85	81	84	86	85	100	87
Grande Prairie	98	95	98	93	96	99	97	115	100
High Level	83	81	83	79	82	84	83	98	85
High River	99	96	99	94	97	100	98	116	101
Hinton	95	92	95	90	93	96	94	111	97
Lethbridge	101	98	101	96	99	102	100	118	103
Lloydminster	99	96	99	94	97	100	98	116	101
Medicine Hat	111	108	111	106	109	112	110	130	113
Peace River	93	90	93	88	91	94	92	108	94
Red Deer	106	103	106	101	104	107	105	124	109
Rocky Mtn. House	104	101	104	99	102	105	103	122	106
Slave Lake	91	88	91	86	89	92	90	106	93
Whitecourt	104	101	104	99	102	105	103	122	106

Table 4 (continued from opposite page)

High Level	High River	Hinton	Leth-bridge	Lloyd-minster	Medicine Hat	Peace River	Red Deer	Rocky Mountain House	Slave Lake	White-court
120	101	105	99	101	90	108	94	96	110	96
124	104	108	102	104	93	111	97	99	113	99
120	101	105	99	101	90	108	94	96	110	96
126	106	111	104	106	95	114	99	101	116	101
122	103	107	101	103	92	110	96	98	112	98
119	100	104	98	100	89	107	93	95	109	95
121	102	106	100	102	91	109	95	97	111	97
103	86	90	85	86	77	92	80	82	94	82
118	99	103	97	99	88	106	92	94	108	94
100	84	88	83	84	75	90	78	80	92	80
119	100	104	98	100	89	107	93	95	109	95
114	96	100	94	96	86	103	90	91	105	91
121	102	106	100	102	91	109	95	97	111	97
119	100	104	98	100	89	107	93	95	109	95
133	112	117	110	112	100	120	104	107	122	107
111	94	97	92	94	83	100	87	89	102	89
128	107	112	105	107	96	115	100	102	117	102
125	105	109	103	105	94	113	98	100	115	100
109	92	95	90	92	82	98	85	87	100	87
125	105	109	103	105	94	113	98	100	115	100

Table 5

Items Surveyed and Weighting
For Inter-Community Comparisons

Category	Number of Items Surveyed	Weighting %
All Items	80	37.37
Food	41	11.09
Non Food	39	26.28
Dairy	8	
Fats and Oils	2	
Cereals and Bread	2	
Processed Fruit and Vegetables	0	
Fresh Fruit and Vegetables	8	
Meat, Fish, Poultry	10	
Frozen and Packaged Food	6	
Restaurant Meals	5	
Personal Care Products	4	
Household Supplies	2	
Household Services	4	
Household Equipment	1	
Recreation, Leisure	13	
Transportation	7	
Clothing	2	
Shelter	3	
Utilities	3	

APPENDICES

Appendix A: Methodology

1. Price Collection

The master list of items used in this survey is derived from Statistics Canada's item list for its Consumer Price Index. The 1983 Place-to-Place Price Comparison Survey included 250 items, which are listed in Appendix B.

To ensure a valid measure of prices between communities, considerable attention was given to the selection of items and brand names. Wherever possible, major national brands were selected to ensure availability in each community. When an item was unavailable in a given centre, pricers used a provided item description to select a substitute. The substitute was then priced in Edmonton the week after the initial survey and used in the final comparison for that particular community. Items priced were always consistent between Edmonton and each community but item specifications for some items could differ among communities. If an item or a reasonable substitute was unavailable, it was omitted from the survey.

Prices were obtained through personal visits by Alberta Bureau of Statistics' staff or Statistics Canada's field personnel to retail stores and service outlets in each selected community. The selection of stores for pricing was made in advance based on sales volume information.

In order to minimize time-related errors and biases, prices in all centres were collected within a three-day period, June 13-15, 1983. The regular price (sale prices were not recorded) of each item was priced in a minimum of 3 stores in each community.

2. Utilities and Shelter

The utilities and shelter categories were the only components of the survey not priced directly in the field. The Alberta Public Utilities Board provided average monthly consumption figures for natural gas, electricity, water and sewage. Utility rates applicable for each

community were then used with the monthly consumption figures to calculate community specific utility costs.

The average annual tax bill per household was calculated using information supplied by Alberta Municipal Affairs' Municipal Financial Services and Statistics Branch. The information included data on municipal population, total residential assessment and the residential mill rate for each community.

Average rental accommodation costs for each community were calculated from information obtained from the Annual Alberta Apartment Vacancy and Rental Cost Survey conducted by the Policy and Planning Branch of Alberta Housing.

The average price for June, for a 1,200 sq. ft. bungalow, no garage, was provided by the appraisal departments of Canada Mortgage and Housing Corporation or independent real estate offices for each community. Samples of the index calculations for household tax and rental cost are presented in Section 4 below.

3. Weighting Pattern

For the purposes of the 1983 Place-to-Place Price Comparison Survey, the Edmonton implicit weighting pattern for the CPI was applied to all surveyed locations. Individual community weighting patterns are not available. The CPI item weights were developed from the 1978 Family Expenditure Survey and supplied by Statistics Canada. The item weights reflect the relative importance of commodity purchases expressed as a percentage of the total family budget.

The total item weights used ranged from 61.94 percent to 69.67 percent of the CPI implicit weighting pattern for Edmonton. Variations in total item weight occurred due to the exclusion of some items and their respective item weights within a community. As noted above, exclusion of an item in a community occurred whenever a required item or a reasonable substitute could not be located within that community.

4. Calculation of Indices

Step i: Ratio of Prices:

$$\frac{\text{Average price of item in Community Y}}{\text{Average price of item in Edmonton}}$$

Step ii: Weighted Ratio : Ratio of prices x Item weight

Step iii: Category Index :

$$\frac{\text{Sum of weighted ratios for a specific category}}{\text{Sum of item weights for specific category}} \times 100$$

Additional Calculations for Shelter and Housing

a. Average Annual Tax Bill per Household :

$$\frac{\text{Total residential assessment for Community Y}}{\left(\frac{\text{Population for Community Y}}{\text{Average number of people per household in Community Y}}\right)} \times \text{Mill rate for Community Y}$$

b. Average Rental Cost:

$$\sum \left(\frac{\text{Number of units of type i} \times \text{Average rent of type i}}{\text{Total number of rental units in Community Y}}\right)$$

i = type of unit available in community, for example bachelor, one bedroom etc.

APPENDIX B

Type of Items Surveyed by Component Category

1. Food Items

Category	Category Weight
Dairy	1.87
Fresh Milk	
Whipping Cream	
Sour Cream	
Yoghurt	
Cottage Cheese	
Cheddar Cheese	
Cream Cheese	
Processed Cheese	
Butter	
Canned Milk	
Powdered Milk	
Ice Cream	
Fats and Oils	0.26
Margarine	
Shortening	
Cooking Oil	
Salad Dressing	
Non-Dairy Creamer	
Cereals and Breads	2.04
Breakfast Cereal	
White Flour	
Cake Mix	
Macaroni	
Rice	
Cooked Cereal	
White Bread	
Hot Dog Rolls	
Bran Muffins	
Cookies	
Crackers	
Frozen Cake	
Processed Fruits & Vegetables	0.58
Canned Peaches	
Canned Pears	
Canned Apple Sauce	
Canned Pineapple	
Canned Fruit Cocktail	
Canned Apple Juice	
Canned Orange Juice	
Raisins	
Canned Corn	
Canned Peas	
Canned Asparagus	
Canned Kidney Beans	
Canned Baked Beans	
Canned Tomatoes	
Canned Tomato Juice	
Fresh Fruit and Vegetables	1.27
Oranges	
Bananas	
Apples	

Category	Category Weight
Fresh Fruits & Vegs. (cont'd)	
Grapefruit	
Grapes	
Potatoes	
Tomatoes	
Lettuce	
Carrots	
Celery	
Onions	
Cabbage	
Turnips	
Cucumbers	
Meat, Fish, Poultry	3.41
Sirloin Steak	
Round Steak	
Standing Rib Roast	
Blade Roast	
Stewing Beef	
Hamburger	
Liver	
Bacon	
Sausage	
Weiners	
Smoked Ham	
Cottage Roll	
Pork Chop	
Pork Shoulder Steak	
Lamb	
Chicken	
Turkey	
Eggs	
Frozen Fish	
Canned Meat	
Bologna	
Canned Shrimp	
Canned Salmon	
Canned Tuna	
Frozen & Packaged Food	2.47
Frozen Orange Juice	
Frozen Fruit	
Frozen Potatoes	
Frozen Peas	
Frozen Corn	
Frozen Fish Specialty	
Frozen Meat Pie	
Canned Soup	
Baby Food	
Chocolate Bar	
Sugar	
Baking Soda	
Corn Syrup	
Drink Crystals	
Dessert Crystals	
Honey	
Jam	
Peanut Butter	
Spices	
Pickles	
Catsup	
Macaroni Dinner	
Canned Stew	
Potatoe Chips	

Category	Category Weight	Category	Category Weight
Frozen & Packaged Food (cont'd)		Restaurant Meals	5.72
		Breakfast	
Roasted Coffee		Lunch	
Instant Coffee		Dinner	
Tea		Snack	
Soft Drink		Carry-Out Meal	

2. Non-Food Items

Personal Care Products	2.64	Men's Haircut	
Soap		Women's Haircut	
Shaving Cream			
Toothpaste		Household Supplies	1.19
Shampoo		Facial Tissues	
Hair Colour		Garbage Bags	
Cream/Lotion		Light Bulbs	
Perfume		Envelopes	
Deodorant		Food Wrap	
Razor Blades		Aluminum Foil	
Patent Medicine		Paper Towels	
Cold Remedy		Dish Soap	
Vitamins		Dishwasher Detergent	
Bandages		Fabric Softener	
Cosmetics		Detergent	
Toilet Tissue		Bleach	
Sanitary Napkins		Scouring Powder	
Disposable Diapers		Floor Wax	
Prescribed Medicine			

Category	Category Weight
Household Services	1.16
Dry Cleaning	
Coin Laundry	
Shoe Repair	
T.V. Repair	
Plumber	
Jewellery Repair	
Tailoring	
Household Equipment	1.57
Garden Supplies	
Garbage Can	
Electric Drill	
Bed Sheets	
Towels	
Blow Dryer	
Vacuum Cleaner	
Coffee Maker	
Dishes	
Covered Casserole	
Recreation, Leisure	5.73
Television	
Record	
Camera	
Camera Film	
Film Processing	
Batteries	
Driving Lessons	
Motel	
Newspaper	
Magazine	
Beer Consumed in Licensed Premises	
Liquor Consumed in Licensed Premises	
Cigarettes	
Sporting Event	
Sporting Equipment	
Monopoly Game	
Admission to Movie	
Flowers	
Bicycle	
Camping Equipment	
Transportation	14.52
Gasoline	
Oil	
Automobile Equipment	
Oil Changes	
Towing Charge	
Parking	
Taxi Fare	
Car Rental	
Tires	
Car Repair Part	
Minor Tune-Up	
Auto Insurance	
Car	
Truck	

Category		Category Weight
Clothing		4.89
Womens:	Raincoat	
	Sweater	
	Suit	
	Blouse	
	Dress	
	Slacks	
	Brassiere	
	Briefs	
	Slip	
	Pantyhose	
	Wrist Watch	
	Purse	
Mens:	Coat	
	Suit	
	Dress Slacks	
	Shirt	
	Casual Slacks	
	Jeans	
	Sports Shirt	
	Sportswear	
	Sweater	
	Briefs	
	Undershirt	
Mens:	Socks	
	Wallet	
	Wrist Watch	
Boys:	Jeans	
	Jacket	
	Sports Shirt	
	Briefs	
	Socks	
Girls:	Jacket	
	Slacks	
	Jeans	
	Socks	
Infants:	Sleepers	
Footwear:		
	Mens' Dress Shoes	
	Mens' Casual Shoes	
	Womens' Dress Shoes	
	Womens' Casual Shoes	
	Girls' Shoes	
	Material	
	Zipper	
Shelter		16.51
	Tenants Insurance	
	New House	
	Rental Costs	
	Property Taxes	
Utilities		3.86
	Natural Gas	
	Electricity	
	Water & Sewage	

POOR

QUALITY

ORIGINAL